

AFO

The Fall/Winter schedule is available at CESWaterQuality.com or call (800) 940-1557, prompt #5, for more information.

HARD TO PRIME POOL PUMP?

Do you dread turning off your pool circulation pump from fear that you will have a tough time re-priming the pump? Does your pump take more than 1-2 minutes to prime? Does your pump have a distinct rumbling sound, or does it sound like your have "marbles" in your pump? If you are suffering from any of these problems, then we can help.

If your pump is difficult to prime, there are several potential problems. One of the most prevalent problems is inherent to the design. The DOH code requires that any pump that is located above water level should be of a self-priming type. It turns out that many pumps that were installed in fiberglass outdoor plumbing packs are NOT self-priming, but rely on a check valve to hold water in the lines. After time, these check valves can fail or leak, and the operator must endure the hassles and the frustrations that come with a difficult to prime pool pump. When it is time to replace that pump, make sure to specify that you want a self-priming pump. Self-priming pumps are specially designed not only to move water, but to lift it from a submerged source.

Next, if your pump "rumbles" or sounds like it has "marbles" inside, then you more-than-likely have a cavitation problem. Cavitation occurs mainly when the suction is either being restricted by closed valves, undersized suction piping, or dirty DE grids. In other cases, cavitation can occur when there is a mismatch between the size of suction piping, the gravitational push of the water on the pump, or the design of the pump itself. CES has developed the tools and ability to diagnose these problems as well.

We offer a variety of services to support your water recirculation and pumping needs, including computerized pump engineering and sizing. We can make sure that you get the right pump for your application. We have also developed a method of pump testing to quickly pin-

point pump problems, so that we can direct you to the proper service center for fast repair. We are also working to finalize a list of pump service centers that have a track record for good service.

Over the last 5 years, CES has emerged as a leading master distributor for a wide variety of pool pumps including ITT Marlow, (Goulds, Bell & Gossett, Ashland, etc.) from 1.5 HP to 125 HP. We also handle Sta-Rite, Purex, and other leading brands. This means that if you ever need to replace your existing pump, we will be able to offer great pricing backed by CES technical support.

TECH TIPS - GET READY FOR WINTER

Cold weather: The first cold fronts are here, and pool temperatures are starting to drop. What seasonal changes do we need to make to our pools in order to run more efficiently?

Chemical Feeder Sizing: Many of you turned chemical feeders to maximum output to handle heavy summer bathing loads. With cooler weather and less loading, you could potentially overshoot your desired readings, even with your controller working perfectly. If this occurs, turn your feeders down and monitor the results.

Water Loss & Skimming: Water continually evaporates from your pool. As you lose water, you will need to make sure your auto-fill system is maintaining proper (skimming) water level. If your water level is low, your pool will not skim properly, and you will draw most of your water from the main drain. Main drain dominance will lead to poor distribution of chemicals and heat, and will cause larger overshoots in pool chemicals. If you are suffering from these symptoms, repair or replace your auto-fill (it is required by DOH code).

Water Loss & Energy: Most of your pool heating losses occur at the pool surface. For every inch of pool water you evaporate, you lose over 18° of pool heat. Remember, if you see steam rising from the pool, that used to be pool water, and you not only lost the water, but the tremendous amount of heat energy it took to convert to steam. So, seeing steam is like seeing dollar signs.

Pool Cover Tune-up: Some of you have invested in insulated pool cover systems that have proven to cut heating costs by over 65% in Florida. If you have MacBall covers, now is a great time to check for wear and tear on both the covers and the winders. CES stocks many of the parts and pieces required to keep them in good shape. Please call your CES sales rep or your area customer service rep for more information.

New Pool Cover: Spending thousands of dollars to heat your pool, only to see the heat float away? Then you should consider pool covers. The AFO course rates it as the #1 energy saver available to pool owners. Since evaporation is the chief culprit of both indoor and outdoor pool heat loss, the best way to reduce heating costs is to control the rate of evaporation in the pool. A properly sized thermal blanket can reduce evaporation over 90 percent while also reducing radiation and convection. On an outdoor pool, the use of a thermal blanket translates into energy savings of 60 - 65 percent. On an indoor pool, the use of a thermal blanket translates into energy savings in upwards of 85 percent. Energy Saver covers are durable and are engineered for easy daily use. Many CES pool cover owners have enjoyed 10+ years of service out of their cover systems.

Want to see if pool covers will make sense on your facility? Log on to CESWaterQuality.com. Under the "Technical Support / Service" category, go to the "Helpful Hints / Troubleshooting" section, then click on "Energy Audit." This page will explain the many ways that you can save energy on your pool heating program without swimming in a cold pool. In the bottom of this section you will also see more information on the US Department of Energy (DOE) program that helps calculate your pool heating costs and helps identify potential savings using several strategies. Download and fill out the "Pool Data Form" and fax it back to CES. We will run the savings program based on the parameters that you have entered. We will then send you a personalized 9-page DOE Pool Heating report (specific to your pool) for your review. You might be surprised how a few minor changes can save you thousands of dollars a year in pool heating costs.